

# Notice of Allowability

Application No.

10/754,739

Examiner

Danny Nguyen

Applicant(s)

SKINNER, JAMES L.

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2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/19/2007.
2. ☒ The allowed claim(s) is/are 1-5, 7-16, 18-24 and 26-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicant's attorney Michael D. Wiggins on 7/17/2007.

The application has been amended as follow:

Claim 34: The method of claim 24 wherein said test time is one second.

#### ***Allowable Subject Matter***

2. Claims 1-5, 7-16, 18-24, 26-35 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Claim 10 recites a motor drive for an electric machine comprises a first capacitor that is coupled between a first output of the rectifier and the second line, and a second capacitor that is coupled a second output of the rectifier and the second line, and a surge protector including a first varistor, and a gas discharge tube that is non conductive below a trigger voltage and that is conductive above the trigger voltage, wherein the first varistor and the GDT are connected in series between one of the live line and the second line and the second line and the ground.

Claim 19 recites a motor drive for an electric machine comprises a first capacitor that is coupled between a first output of the rectifier and the second line, and a second

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capacitor that is coupled a second output of the rectifier and the second line, and a surge protector including a first varistor, and a gas discharge tube that is non conductive below a trigger voltage and that is conductive above the trigger voltage, wherein the first varistor and the GDT are connected in series between one of the live line and the second line and the second line and the ground line, a second varistor connected between the other of the live line and the second line and the second line and the ground line.

Claim 24 recites a method for insulation testing an electric machine with a surge protection circuit without using a jumper circuit to disconnect said surge protection circuit during said insulation testing, comprising providing a first capacitor between a first output of said rectifier and said second line; providing a second capacitor between a second output of said rectifier and said second line; connecting a first varistor and a gas discharge tube (GDT) in series between one of a live line and a second line and said second line and said ground line, thereby operably connecting said GDT to clamp voltage by diverting excess voltage from one of said live line and said second line to said ground line; setting a trigger voltage of said GDT greater than a hi-pot test voltage, wherein said GDT is conductive above said trigger voltage and non-conductive below said trigger voltage; and performing said insulating testing.

The references of record do not teach or suggest the aforementioned limitations, nor would it be obvious to modify those references to include such limitations.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is 571-272-2054. The examiner can normally be reached on 8:00-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL SHERRY can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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7/16/2007

A handwritten signature in black ink, appearing to read 'Michael Sherry', is written over a horizontal line.

MICHAEL SHERRY  
SUPERVISORY PATENT EXAMINER